## Human TrpRS Constructs Summary

| iogenic Angiostatic   | +                              | +                 | c-                       |
|-----------------------|--------------------------------|-------------------|--------------------------|
| Charging Angiogenic + | +                              | +                 | i                        |
| <u>p1</u>             | \$                             | 59                | 8 9                      |
| <u>Size</u><br>53Kd   | 48Kd                           | 46Kd              | 43Kd                     |
| NH2 COOH              | 48                             | 17 (17)           | 171 (3)                  |
| rull-Length<br>TrpRS  | Mini TrpRS<br>(splice variant) | (clevage product) | T2<br>(cleavage product) |

\*Note: A mutant of each of the four proteins has been made in which DLT(205-207) is replaced with ELR

81 EEDFVDPWTV QTSSAKGIDY DKLIVRFGSS KIDKELINRI ERATGQRPHH FLRRGIFFSH RDWNQVLDAY ENKKPFYLYT TY TZ 1 MPNSEPASLL ELFNSIATQG ELVRSLKAGN ASKDEIDSAV KMLVSLKMSY KAAAGEDYKA DCPPGNPAPT SNHGPDATEA 241 MGMSSGFYKN VVKIQKHVTF NQVKGIFGFT DSDCIGKISF PAIQAAPSFS NSFPQIFRDR TDIQCLIPCA IDQDPYFRMT 321 RDVAPRIGYP KPALLHSTFF PALQGAQTKM SASDPNSSIF LTDTAKQIKT KVNKHAFSGG RDTIEEHRQF GGNCDVDVSF 161 GRGPSSEAMH VGHLIPFIFT KWLQDVFNVP LVIQMTDDEK YLWKDLTLDQ AYGDAVENAK DIIACGFDIN KTFIFSDLDY 401 MYLTFFLEDD DKLEQIRKDY TSGAMLTGEL KKALIEVLQP LIAEHQARRK EVTDEIVKEF MTPRKLSFDF Q

 $^{*}$ Note: All are recombinant constructs and have an N-terminal Met and a C-terminal KLAAALEHHHHH

FIGURE 1

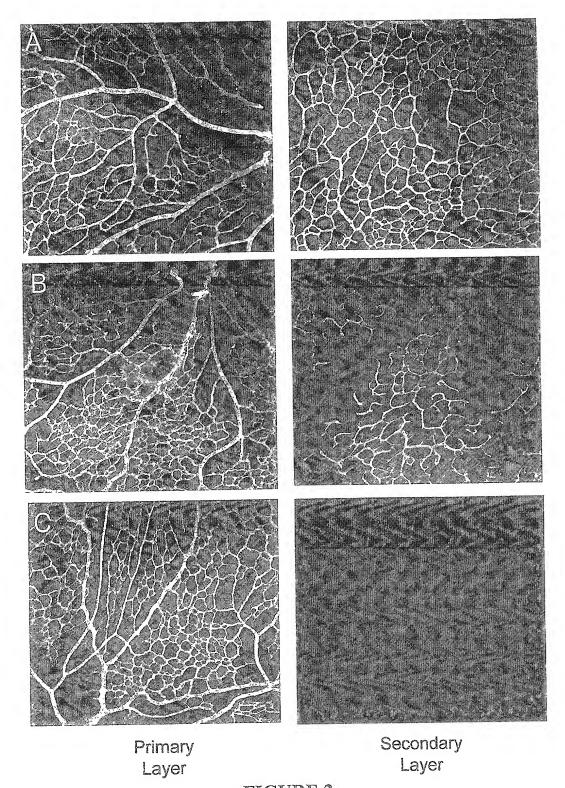
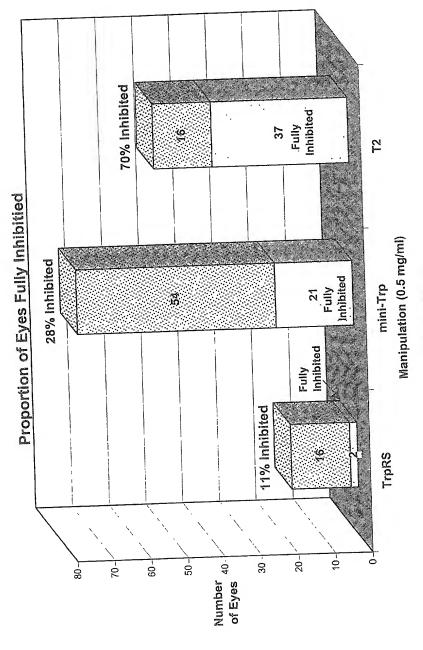


FIGURE 2



TOUR SURFERSION OF THE STREET

VEGF-induced Angiogenesis (Fluorescence Intensity)

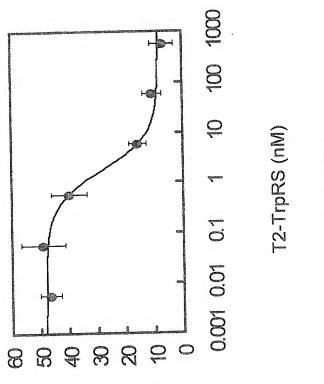


FIGURE 4

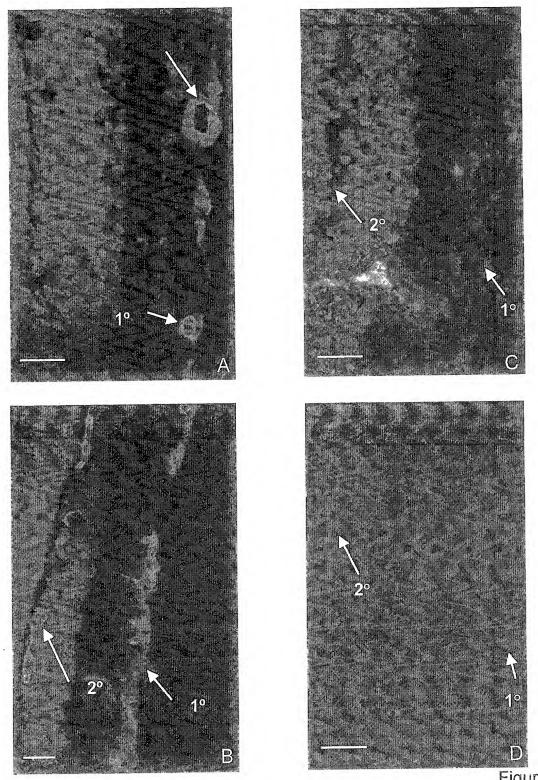


Figure 5